59

CLAIMS

1. An agent for skin external use, comprising:

a salt of higher fatty acid ester of ascorbic acid-2-phosphoric acid ester, said higher fatty acid ester of ascorbic acid-2-phosphoric acid ester being represented by the following formula (1):

Formula (1)

wherein R is a higher fatty acid residual group, and a polyhydric alcohol.

2. The agent for skin external use as claimed in claim 1, wherein R in the formula (1) is a residual group of an aliphatic carboxylic acid of 10 to 20 carbon atoms.

15

5

3. The agent for skin external use as claimed in claims 1 or 2, wherein R in the formula (1) is a residual group of lauric acid, myristic acic, palmitic acid, stearic acid, 2-hexyldecanoic acid or isostearic acid.

60

- 4. The agent for skin external use as claimed in any one of claims 1 to 3, wherein R in the formula (1) is a residual group of palmitic acid.
- 5. The agent for skin external use as claimed in any one of claims 1 to 3, wherein R in the formula (1) is a residual group of 2-hexyldecanoic acid.
- 6. The agent for skin external use as claimed in any one of claims 1 to 5, wherein the salt of higher fatty acid ester of ascorbic acid-2-phosphoric acid ester is a Na salt, a K salt, a Mg salt or a Zn salt.
- 7. The agent for skin external use as claimed in any one of claims 1 to 6, wherein the salt of higher fatty acid ester of ascorbic acid-2-phosphoric acid ester is contained in an amount of 0.01 to 20% by mass.
- 8. The agent for skin external use as claimed in any one of claims 1 to 7, wherein the polyhydric alcohol is a dihydric alcohol of 5 or 6 carbon atoms (when the number of carbon atoms is 5 or 6, a hetero atom may be inserted in the carbon chain).

61

- 9. The agent for skin external use as claimed in claim 8, wherein the dihydric alcohol of 5 or 6 carbon atoms is at least one dihydric alcohol selected from the group consisting of triethylene glycol, dipropylene glycol, 3-methyl-1,3-butanediol, 1,2-pentanediol, 1,4-pentanediol, 1,5-pentanediol, 2,4-pentanediol, 2-methyl-2,4-pentanediol, 3-methyl-1,5-pentanediol, 1,2-hexanediol and 1,6-hexanediol.
- 10. The agent for skin external use as claimed in claims
 10 8 or 9, wherein the dihydric alcohol of 5 or 6 carbon atoms is
 contained in an amount of not less than 0.05% by mass and less
 than 12% by mass.
- 11. The agent for skin external use as claimed in any one of claims 1 to 7, wherein the polyhydric alcohol is at least one alcohol selected from the group consisting of dihydric or higher alcohols of 2, 3, 4 or 7 or more carbon atoms (when the number of carbon atoms is 3, 4 or 7 or more, a hetero atom may be inserted in the carbon chain), and the polyhydric alcohol is contained in an amount of 12 to 90% by mass.
 - 12. The agent for skin external use as claimed in claim 11, wherein the polyhydric alcohol which is a dihydric or higher alcohol of 2, 3, 4 or 7 or more carbon atoms (when the number

5

15

20

of carbon atoms is 3, 4 or 7 or more, a hetero atom may be inserted in the carbon chain) is at least one alcohol selected from the group consisting of ethylene glycol, propylene glycol, glycerin, 1,3-butanediol, diethylene glycol, polyethylene glycol, polypropylene glycol and polyglycerin.

- 13. The agent for skin external use as claimed in any one of claims 1 to 12, wherein water is further contained.
- 14. A cosmetic comprising the agent for skin external use of any one of claims 1 to 13.
 - 15. A method for stabilizing an agent for skin external use containing a salt of higher fatty acid ester of ascorbic acid-2-phosphoric acid ester, said higher fatty acid ester of ascorbic acid-2-phosphoric acid ester being represented by the following formula (1):

Formula (1)

wherein R is a higher fatty acid residual group, said method using a polyhydric alcohol.

WO 2005/034903

5

10

15

PCT/JP2004/015457

- 16. The method for stabilizing an agent for skin external use as claimed in 15, wherein the polyhydric alcohol is a dihydric alcohol of 5 or 6 carbon atoms (when the number of carbon atoms is 5 or 6, a hetero atom may be inserted in the carbon chain).
- 17. A stabilizer for an agent for skin external use containing a salt of higher fatty acid ester of ascorbic acid-2-phosphoric acid ester, said higher fatty acid ester of ascorbic acid-2-phosphoric acid ester being represented by the following formula (1):

$$\begin{array}{c|c}
OH & OH \\
O & CH-C-O-F \\
OH & OH
\end{array}$$

$$\begin{array}{c|c}
OH & OH \\
OH & OH
\end{array}$$

Formula (1)

wherein R is a higher fatty acid residual group, said stabilizer comprising a polyhydric alcohol.

18. The stabilizer for an agent for skin external use as claimed in claim 17, wherein the polyhydric alcohol is a dihydric alcohol of 5 or 6 carbon atoms (when the number of carbon

64

atoms is 5 or 6, a hetero atom may be inserted in the carbon chain).